

# ACKNOWLEDGEMENT RECEIPT

Electronic Version 1.1

Stylesheet Version v1.1.1

| <b>Title of Invention</b>  | BETA-PHASE NICKEL ALUMINIDE OVERLAY COATING AND PROCESS THEREFOR  |              |                          |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
|--|---|--------------|--------------------------|---------|-------|---|-------|------|------------|---|--------|---|-----------|-----------|--------------|--------------------------|----------------------------|---------------------------|------|------------|----------------------------|--------------------------------|------|------------|----------------------------|--------------------------------|-------|------------|------------|---------------------------|------|------------|------------|----------------|-------|------------|------------|----------------|-------|------------|--------------|---------------------------|------|------------|--------------|------------------|-------|------------|--------------|------------------|-------|------------|----------------|---------------------------|------|------------|----------------|--------------------|------|------------|----------------|--------------------|-------|------------|------------------|-------------|-------|------------|------------------|----------------------|-------|------------|------------------|------------|--------|------------|
| <p>Submission Type : Utility Patent Filing</p> <p>Application Number: 10/711584 </p> <p>EFS ID: 69269</p> <p>Server Response:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 25%;">Confirmation Code</th> <th style="width: 75%;">Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>5583</td> </tr> <tr> <td>USPTOEFSDN</td> <td>For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a></td> </tr> <tr> <td>IGEN77</td> <td>Filename= N/A BusinessRule= The access code is not included which allows for automated processing of fees from the deposit account. #Supporting Msg:Either &lt;us-access-code&gt; not found in fee-xml OR actual access code not provided in the function call.</td> </tr> </tbody> </table> <p>First Named Applicant: Irene Spitsberg</p> <p>Attorney Docket Number: 121492-3</p> <p>Timestamp: 2004-09-27 11:18:26 EDT</p> <p>From: us</p> <p>File Listing:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Doc. Name</th> <th style="width: 40%;">File Name</th> <th style="width: 15%;">Size (Bytes)</th> <th style="width: 15%;">Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-power-of-attorney-grant</td><td>HartmanA4-1828-uspoat.xml</td><td>2207</td><td>2004-09-27</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.dtd</td><td>4923</td><td>2004-09-27</td></tr> <tr><td>us-power-of-attorney-grant</td><td>us-power-of-attorney-grant.xsl</td><td>12448</td><td>2004-09-27</td></tr> <tr><td>us-request</td><td>HartmanA4-1828-usrequ.xml</td><td>4289</td><td>2004-09-27</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-09-27</td></tr> <tr><td>us-request</td><td>us-request.xsl</td><td>33904</td><td>2004-09-27</td></tr> <tr><td>us-fee-sheet</td><td>HartmanA4-1828-usfees.xml</td><td>1655</td><td>2004-09-27</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xsl</td><td>24912</td><td>2004-09-27</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-09-27</td></tr> <tr><td>us-declaration</td><td>HartmanA4-1828-usdecl.xml</td><td>1963</td><td>2004-09-27</td></tr> <tr><td>us-declaration</td><td>us-declaration.dtd</td><td>3833</td><td>2004-09-27</td></tr> <tr><td>us-declaration</td><td>us-declaration.xsl</td><td>10015</td><td>2004-09-27</td></tr> <tr><td>application-body</td><td>A4-1828.xml</td><td>38291</td><td>2004-09-27</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-09-27</td></tr> <tr><td>application-body</td><td>Image1.tif</td><td>821449</td><td>2004-09-27</td></tr> </tbody> </table> |   |              | Confirmation Code        | Message | ISVR1 | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1 | 5583 | USPTOEFSDN | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a> | IGEN77 | Filename= N/A BusinessRule= The access code is not included which allows for automated processing of fees from the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the function call. | Doc. Name | File Name | Size (Bytes) | Date Produced (yyyymmdd) | us-power-of-attorney-grant | HartmanA4-1828-uspoat.xml | 2207 | 2004-09-27 | us-power-of-attorney-grant | us-power-of-attorney-grant.dtd | 4923 | 2004-09-27 | us-power-of-attorney-grant | us-power-of-attorney-grant.xsl | 12448 | 2004-09-27 | us-request | HartmanA4-1828-usrequ.xml | 4289 | 2004-09-27 | us-request | us-request.dtd | 19064 | 2004-09-27 | us-request | us-request.xsl | 33904 | 2004-09-27 | us-fee-sheet | HartmanA4-1828-usfees.xml | 1655 | 2004-09-27 | us-fee-sheet | us-fee-sheet.xsl | 24912 | 2004-09-27 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2004-09-27 | us-declaration | HartmanA4-1828-usdecl.xml | 1963 | 2004-09-27 | us-declaration | us-declaration.dtd | 3833 | 2004-09-27 | us-declaration | us-declaration.xsl | 10015 | 2004-09-27 | application-body | A4-1828.xml | 38291 | 2004-09-27 | application-body | application-body.dtd | 49498 | 2004-09-27 | application-body | Image1.tif | 821449 | 2004-09-27 |
| Confirmation Code  | Message   |              |                          |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| ISVR1  | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application   |              |                          |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| ICON1  | 5583  |              |                          |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| USPTOEFSDN   | For assistance with e-filing a patent application, contact the Patent Electronic Business Center: Toll-Free Number:1(866) 217-9197 Website: <a href="http://www.uspto.gov/ebc/">http://www.uspto.gov/ebc/</a>   |              |                          |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| IGEN77   | Filename= N/A BusinessRule= The access code is not included which allows for automated processing of fees from the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the function call. |              |                          |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| Doc. Name  | File Name   | Size (Bytes) | Date Produced (yyyymmdd) |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-power-of-attorney-grant   | HartmanA4-1828-uspoat.xml   | 2207         | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-power-of-attorney-grant   | us-power-of-attorney-grant.dtd  | 4923         | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-power-of-attorney-grant   | us-power-of-attorney-grant.xsl  | 12448        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-request   | HartmanA4-1828-usrequ.xml   | 4289         | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-request   | us-request.dtd  | 19064        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-request   | us-request.xsl  | 33904        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-fee-sheet   | HartmanA4-1828-usfees.xml   | 1655         | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-fee-sheet   | us-fee-sheet.xsl  | 24912        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-fee-sheet   | us-fee-sheet.dtd  | 11069        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-declaration   | HartmanA4-1828-usdecl.xml   | 1963         | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-declaration   | us-declaration.dtd  | 3833         | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| us-declaration   | us-declaration.xsl  | 10015        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| application-body   | A4-1828.xml   | 38291        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| application-body   | application-body.dtd  | 49498        | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |
| application-body   | Image1.tif  | 821449       | 2004-09-27               |         |       |   |       |      |            |   |        |   |           |           |              |                          |                            |                           |      |            |                            |                                |      |            |                            |                                |       |            |            |                           |      |            |            |                |       |            |            |                |       |            |              |                           |      |            |              |                  |       |            |              |                  |       |            |                |                           |      |            |                |                    |      |            |                |                    |       |            |                  |             |       |            |                  |                      |       |            |                  |            |        |            |

| Doc. Name                 | File Name               | Size (Bytes) | Date Produced<br>(yyyymmdd) |
|---------------------------|-------------------------|--------------|-----------------------------|
| application-body          | image2.tif              | 821449       | 2004-09-27                  |
| application-body          | isoamsa.ent             | 5191         | 2004-09-27                  |
| application-body          | isoamsb.ent             | 3988         | 2004-09-27                  |
| application-body          | isoamsc.ent             | 1460         | 2004-09-27                  |
| application-body          | isoamsn.ent             | 5620         | 2004-09-27                  |
| application-body          | isoamso.ent             | 1934         | 2004-09-27                  |
| application-body          | isoamsr.ent             | 7073         | 2004-09-27                  |
| application-body          | isobox.ent              | 3568         | 2004-09-27                  |
| application-body          | isocyr1.ent             | 5345         | 2004-09-27                  |
| application-body          | isocyr2.ent             | 2504         | 2004-09-27                  |
| application-body          | isodia.ent              | 1508         | 2004-09-27                  |
| application-body          | isogrk1.ent             | 4030         | 2004-09-27                  |
| application-body          | isogrk2.ent             | 2259         | 2004-09-27                  |
| application-body          | isogrk3.ent             | 3559         | 2004-09-27                  |
| application-body          | isogrk4.ent             | 1920         | 2004-09-27                  |
| application-body          | isolat1.ent             | 5282         | 2004-09-27                  |
| application-body          | isolat2.ent             | 9007         | 2004-09-27                  |
| application-body          | isomfrk.ent             | 4553         | 2004-09-27                  |
| application-body          | isomopf.ent             | 2571         | 2004-09-27                  |
| application-body          | isomscr.ent             | 4628         | 2004-09-27                  |
| application-body          | isonum.ent              | 5913         | 2004-09-27                  |
| application-body          | isopub.ent              | 6621         | 2004-09-27                  |
| application-body          | isotech.ent             | 5268         | 2004-09-27                  |
| application-body          | mathml2.dtd             | 54588        | 2004-09-27                  |
| application-body          | mathml2-qname-1.mod     | 13225        | 2004-09-27                  |
| application-body          | mmlalias.ent            | 38209        | 2004-09-27                  |
| application-body          | mmlextra.ent            | 7901         | 2004-09-27                  |
| application-body          | soextblk.dtd            | 12870        | 2004-09-27                  |
| application-body          | us-application-body.xsl | 82504        | 2004-09-27                  |
| application-body          | wipo.ent                | 4956         | 2004-09-27                  |
| application-body-pdf-wrap | A4-1828-pdf-wrap.xml    | 733          | 2004-09-27                  |
| abstract-pdf              | A4-1828-abst.pdf        | 16239        | 2004-09-27                  |
| claims-pdf                | A4-1828-clms.pdf        | 24503        | 2004-09-27                  |
| description-pdf           | A4-1828-desc.pdf        | 89894        | 2004-09-27                  |
| drawings-pdf              | A4-1828-draw.pdf        | 677261       | 2004-09-27                  |
| package-data              | HartmanA4-1828-pkda.xml | 9094         | 2004-09-27                  |
| package-data              | package-data.dtd        | 27025        | 2004-09-27                  |
| package-data              | us-package-data.xsl     | 19263        | 2004-09-27                  |
| Total files size          |                         |              | 3033036                     |

Message Digest:

5c7138da42d0cb0e3659a0e642e540b3e219e55c

Digital Certificate Holder  
Name:

cn=Domenica N. S.  
Hartman,ou=Registered  
Attorneys,ou=Patent and  
Trademark  
Office,ou=Department of  
Commerce,o=U.S.  
Government,c=US